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2871

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re original application of:

Applicants : Le Li, Jian-Feng Li and Sadeg M. Faris
Serial No. : 09/287,579
Filed : April 6, 1999
Title of Invention : ELECTRO-OPTICAL GLAZING STRUCTURES
HAVING SCATTERING AND TRANSPARENT
MODES OF OPERATION AND METHOD AND
APPARATUS FOR MAKING THE SAME
Examiner : Mike Qi
Group Art Unit : 2871
Attorney Docket : 105-067USA000

Honorable Commissioner of Patents
and Trademarks
Washington, DC 20231

RESPONSE TO OFFICE ACTION MAILED NOVEMBER 17, 2000

Sir:

In response to the Office Action mailed in the present Application on November 17, 2000, Applicants submit herewith the following Amendments to the same:

AMENDMENT OF THE TITLE OF INVENTION

Please amend the Title Of Invention to read as follows:

~~ELECTRO-OPTICAL GLAZING STRUCTURES INCLUDING LIQUID CRYSTAL~~
~~MATERIAL INTERPOSED BETWEEN FLOAT-GLASS SUBSTRATES AND HAVING~~
~~SCATTERING AND TRANSPARENT MODES OF OPERATION--~~

AMENDMENT OF THE ABSTRACT OF INVENTION

Please substitute the following for the Abstract of Invention:

Electro-optical glazing structures including liquid crystal material interposed between float-glass substrates and having total-scattering and total-transparent modes of operation which are electrically-switchable for use in dynamically controlling electromagnetic radiation flow in diverse applications.

AMENDMENT OF THE CLAIMS

Please cancel claims 10, 11, 12, and 15-20 without prejudice or disclaimer.

Please amend claims 1, 2, 3, 7, 8, 9, 13, and 14 as follows:

1. (Amended) An electro-optical glazing structure [having scattering and transmission modes of operation for selectively scattering and transmitting electromagnetic radiation, respectively, said electro-optical glazing structure] comprising:

an electro-optical glazing panel [of laminated construction] including liquid crystal material interposed between a pair of optically-transparent float-glass substrates, said electro-optical glazing panel having an electrically-switchable scattering mode of operation and electrically-switchable transmission mode of operation [having first and second optical states of operation]; and

an optical state switching mechanism [means] for electrically-switching said electro-optical glazing panel into said electrically-switchable scattering mode of operation and into said electrically-switchable transmission mode of operation [to said first optical state of operation in order to induce said electro-optical glazing structure into said scattering mode of operation, and